IN THE SPECIFICATION

1.   On page 3 lines 17-27, replace the entire paragraph with the following paragraph as amended:

One system for correcting for the Doppler shift is described in commonly assigned ~~pending~~ U.S. Patent Application, ~~having~~ Serial No. 09/145,055, filed September 1, 1998, and entitled "DOPPLER CORRECTED SPREAD SPECTRUM MATCHED FILTER," <u>now U.S. Patent No. 6,044,105,</u> the disclosure of which is <u>hereby</u> incorporated by reference<u> in its entirety</u>. In the foregoing system, a Doppler generator produces a complex phase shift value (having real and imaginary components) that it combined with an incoming complex data sample prior to correlation with a PN code in a matched filter correlator, so that Doppler error is minimized. Although meritorious to an extent, this system still suffers from some Doppler error. Thus, there is still a need for ways to further improve correlation analysis by better compensating for Doppler shift.

2.   On page 16 lines 18-22, replace the entire paragraph with the following paragraph as amended:

In step 105, the next incremental portion of phase shifted product values for the selected hypothesis are coherently integrated. In step 106, a determination is made whether a frame boundary has been detected. If so, step 107 is performed, then followed by step <u>108</u>~~109~~. If not, step 107 is bypassed, and step 108 is performed directly.

3.   On page 21 lines 11-19, replace the entire paragraph with the following paragraph as amended:

Complex mixer 403 receives a subsegment of samples from RAM 400 over signal connection 404, and a Doppler shift hypothesis from incremental Doppler generator 401, and, responsive thereto, multiplies the samples by a

complex phasor of the form e^{jw^dt}, where w^d represents the Doppler shift

hypothesis provided by incremental Doppler generator 401. A Doppler-

corrected subsegment of samples ~~results which~~ are stored in sample register

406. Additional detail about this procedure is available in U.S. Patent

Application, Serial No. 09/145,055, filed September 1, 1998, and entitled

"DOPPLER CORRECTED SPREAD SPECTRUM MATCHED

~~FILTER."~~FILTER," <u>now U.S. Patent No. 6,044,105, which has been</u>

<u>incorporated by reference herein.</u>

4.　　On page 34 lines 26-31, replace the entire paragraph with the following

paragraph as amended:

　　　　In step 1004, the subsegment selected in step 1002 is corrected for the

Doppler shift hypothesis selected in step 1003. In the matched filter 402 (FIG.

10), this step is performed by complex mixer 403, which multiplies the

subsegment of samples by a complex phasor. In one implementation example,

this step is performed as described in U.S.S.N. 09/145,055<u>, now U.S. Patent</u>

<u>No. 6,044,105</u>, previously incorporated herein by reference.

5.　　On page 48 lines 7-15, replace the entire paragraph with the following

paragraph as amended:

　　　　In an alternative embodiment, the register value residing within the

register 1042 is not utilized to address the look-up table 1038 directly. Instead,

the rollover may cause a state machine (not shown; e.g., a counter) <u>to</u>

<u>increment, and</u> ~~increment and~~ the counter value associated with the state

machine may address the look-up table 1038 or otherwise provide the complex

value 1032. An example of this method is described and illustrated in U.S.

<u>Patent No. 6,044,105 (e.g., see FIGs. 4a and 4b therein)</u>~~patent application~~

~~having serial no. 09/145,055, filed September 1, 1998, and entitled,~~

~~"DOPPLER CORRECTED SPREAD SPECTRUM MATCHED FILTER"~~

~~(see FIGs. 4a and 4b therein)~~, which is <u>hereby</u> incorporated ~~here~~by reference

<u>in its entirety</u>.